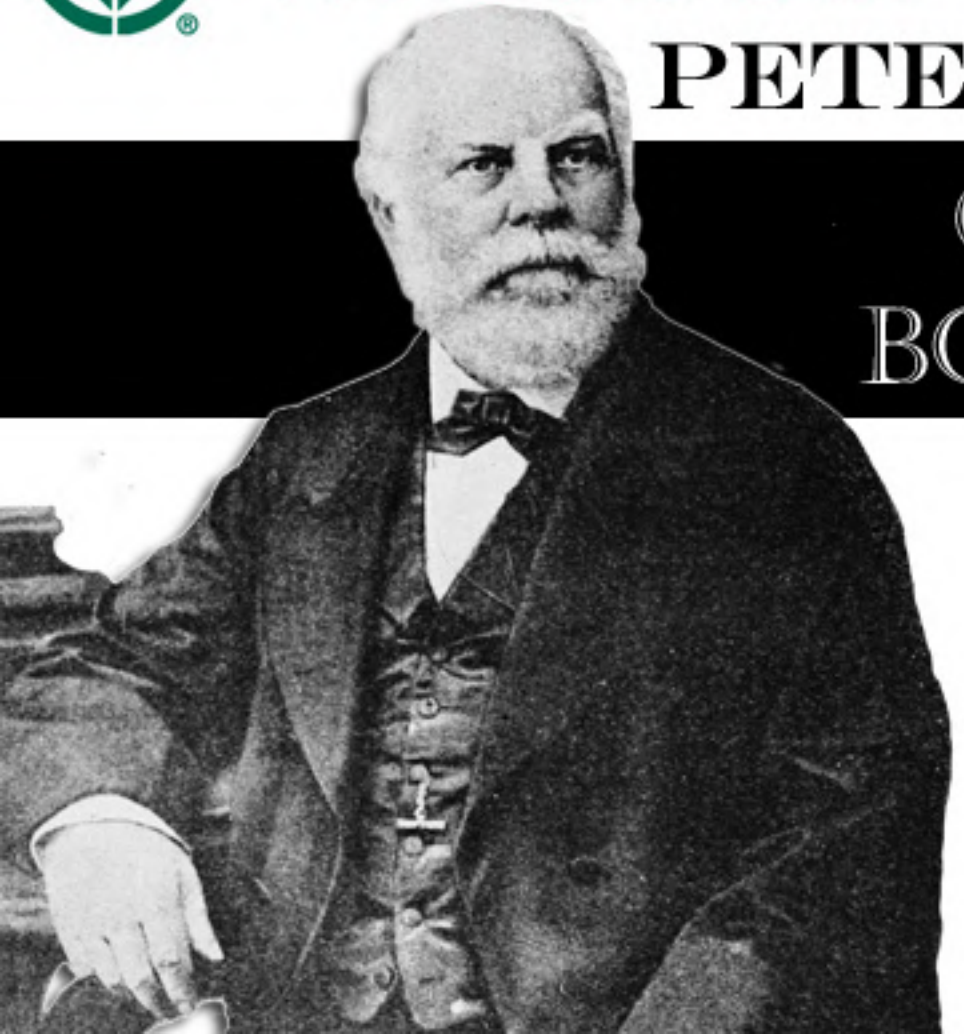
Missouri Botanical Garden

Peter H. Raven Library

George Engelmann Botanical Notebooks



Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

1-3

93

Ericaceae

94

Monotrop

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Myosotis verna Roth

Spr I, 558

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Flae prope Rödelh agri Erf.
1825

Europ

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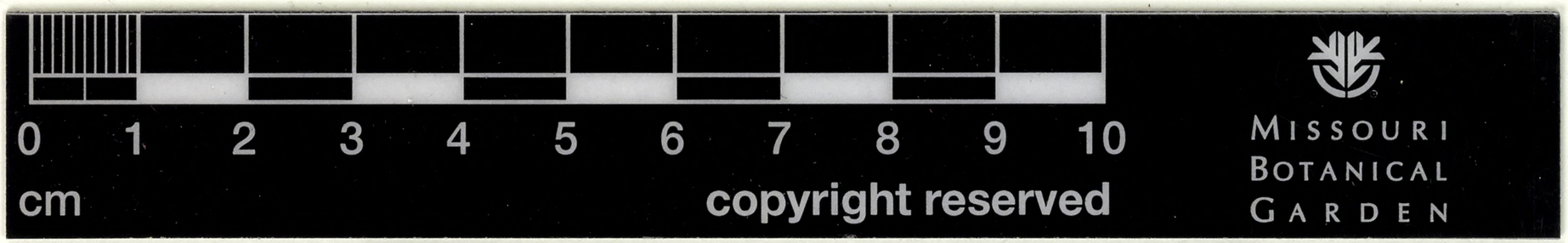
Dec 1819

Arbostaphylos, probably
Uva Ursi
sent from California
is Castor seed

COLLECTA A VELLA
'GATHERED BY AND CHEMAT'
Missouri Botanical Garden, St. Louis, MO.



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Sixth and Market streets, St. Louis, Mo.

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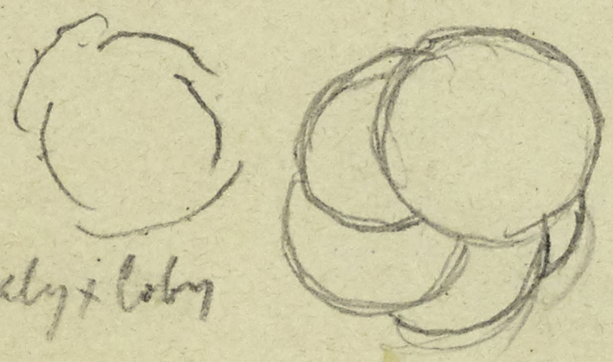
Antostaphylos tomentosa

March 1874

calyx lobes divided to base, persistent, subulate, petaloid - membranaceous.

10 anthers, opening with pores



10 stamens with lanceolate hairy filament

corolla contorta irregular

first lobe exterior to all

6-10 1 seeded cells

leaves entire, rarely smooth, glaucous, branchlets pubescent & bristly coarse hairy

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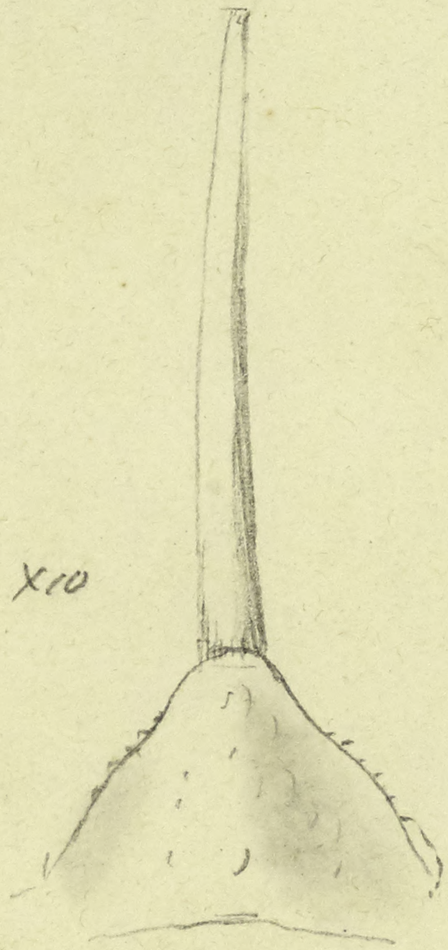
Canotia



X10

Sepal with filament
persistent on young fruit

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HOLLEY HERBARIUM
TEXAS

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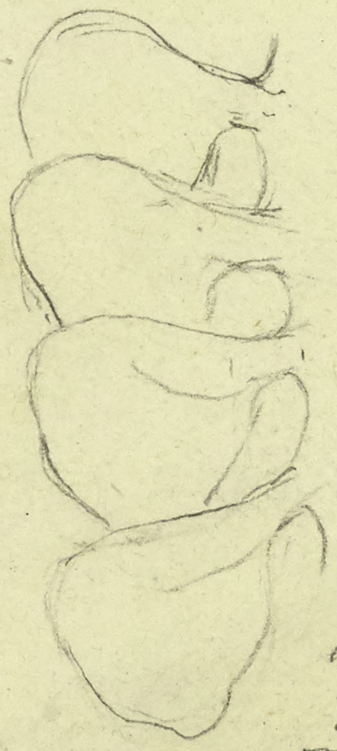
Canotia holacantha Torr

Feb 26 1867

×30



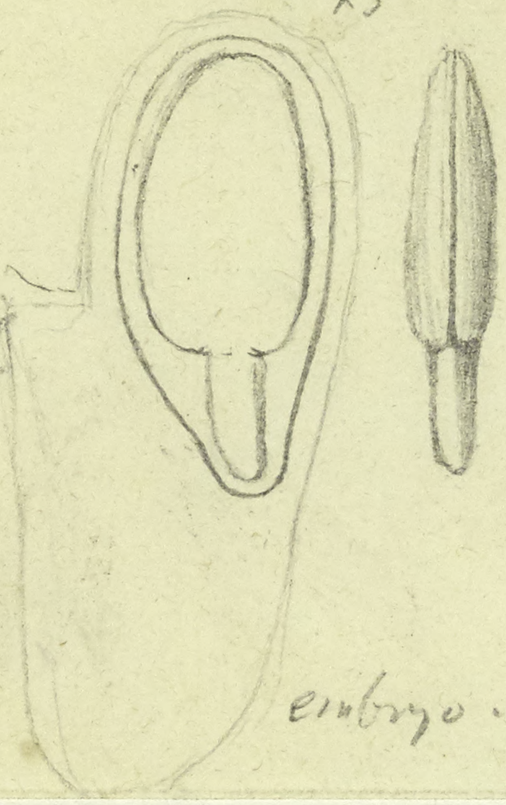
×60

undeveloped ovules
= young fruit
hemitropous, the orifice
or micropyle downward
placenta central
numerous ovules in each cell

rhaphe

seed ×5
winged

×5



embryo in the thin albumen

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Canotia holacantha Feb 24 1867
Arizona

×10

imbrication of sepals and petals twice verified

×10

10 angled pistil

stigmatic indistinct

axis opposite first sepal

×10

outside

inside

possibly spread out

immature pollen ×415 = 0.025 mm

×10

scale seen on young branch

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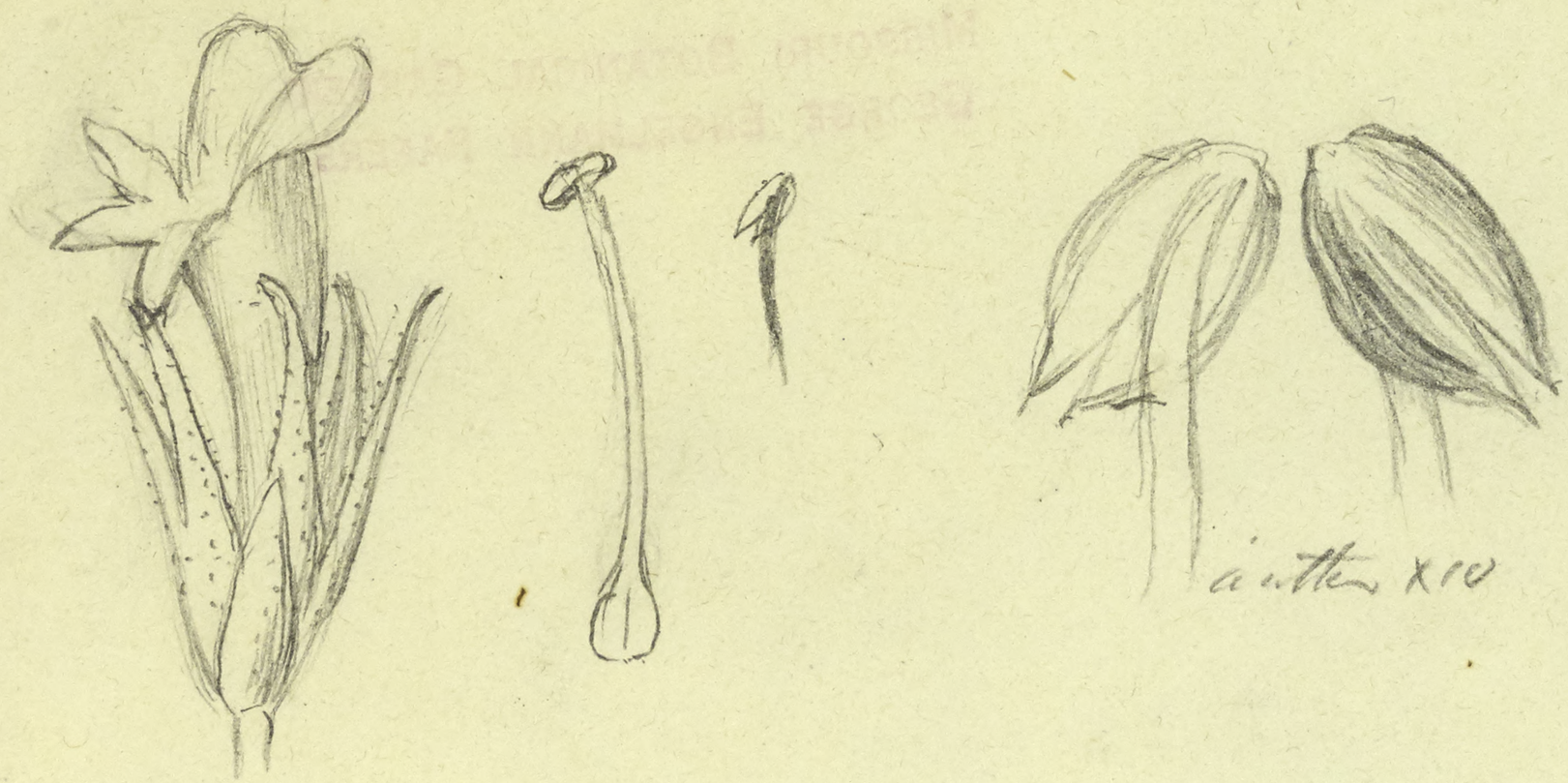
Phelipaea Ludoviciana Oct 4 1867

New Mexico, Dr Wislizenus

x2



a. antha x10

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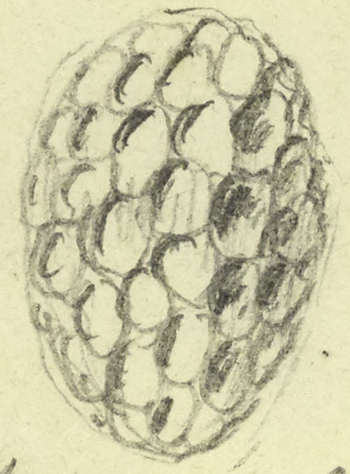
Phelipaea, Ludwigia

Oct 30 1867

D. Parry, Huachuca Valley 1867

seed x 60



favoso-scrobiculate

stigma x 10

anther x 10

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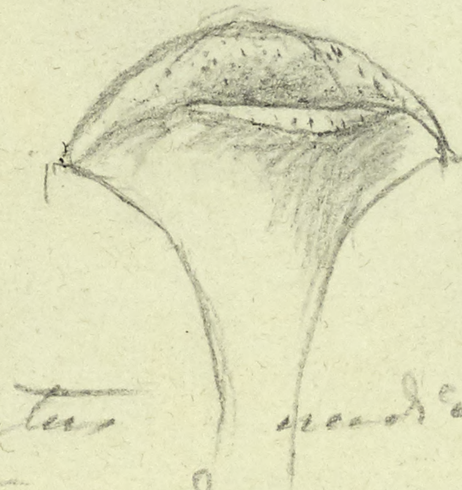
Phelipaea comosa Oct 6 29 1867

California

A Gray mihi flores



Corolla tube funnel-campanulate
filaments naked, anthers villous

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Phelpsiaca erianthera

Oct 4 1867

N. Mexico

Dr Parry Sept 1867

Stigma infundibuliform Glob

x 2

x 2

x 10

x 10

Gen L

Gen 7

corolla interior villous v. pubescent
of lamina base pilose
anther lanuginose (or ciliate)

anthers very woolly adhering together by the wool

3800

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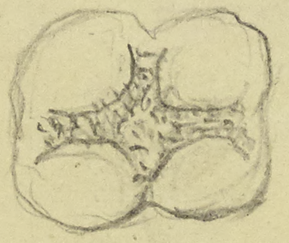
Aphyllon fasciculatum

Salt Lake Utah, on Artemisia tridentata!

Jun 28 1880



sect of ovary

4 placentae

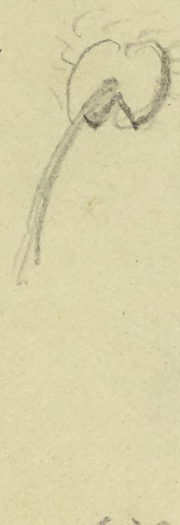
5 lips

June 30 1880

Salt Lake City

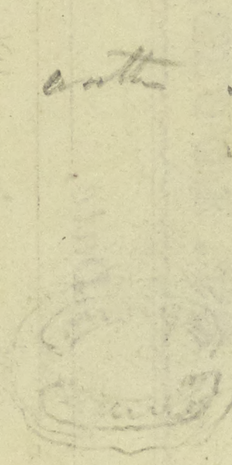
Salt Lake Utah, on Artemisia tridentata?

folds between the lower and lateral lips broad yellow



anth slightly hairy

slight bilobed



sect of ovary

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Geo. Engelmann, M. D.,

No. 3003 Locust Street.

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Plemospora ?

glandular
glutinous

aestivation of lobes
of Corolla

Among the Big trees
in Fresno County 5700' alt.
2 — 3 feet high
10 stamens

17/9 80

slightly 5-lobed

ovary 10 grooved in each
groove a stamen

Dorsal
stamens in bud

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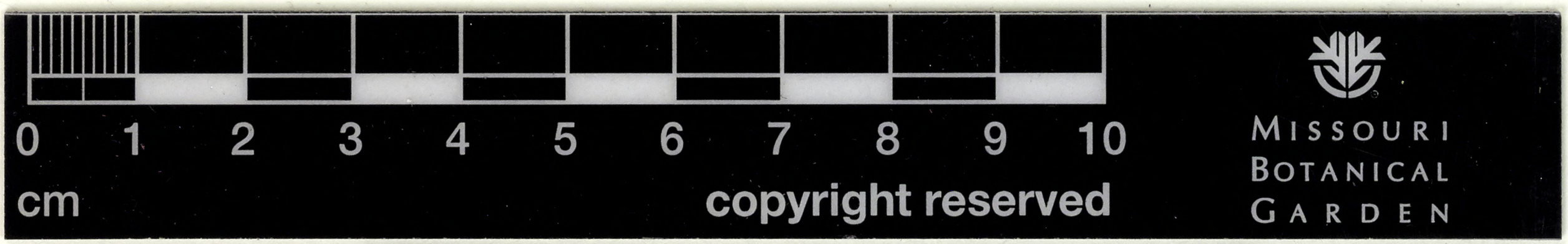


Ceratostigma plumbaginoides Nov 13 1877

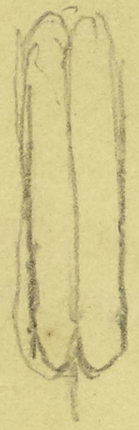
Bunge

Texas, L. Shin

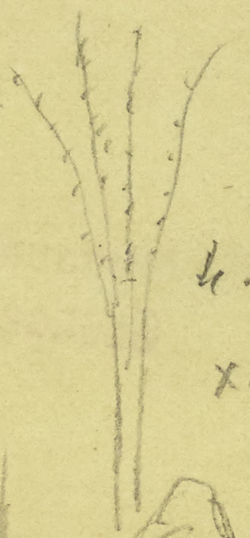
n. Amer. ex hort. Jardin

Pollen

×280.

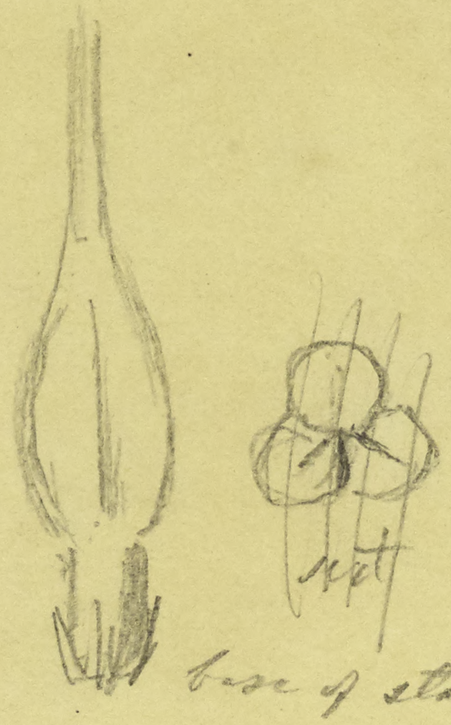


×10



4 stigm (1 broken off?)

×10



base of stamen

fruit ×10

stigma ×280

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Deutsche Apotheke.

GEO. UDE,

Apothecary and Druggist

No. 3610 North 10th Street,

Between Mallinckrodt and Salisbury, **ST. LOUIS, MO.**

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For .....

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Potamogeton Hybrides Wx June 13 1865

fresh. fruit. Illinois

X10

stigma

attachment

sect of nut

sect of leaf x60

green parenchyma

large air cells

air cell with transparent transverse wall

upper surface

open air cell

lower surface

sect of leaf x 280

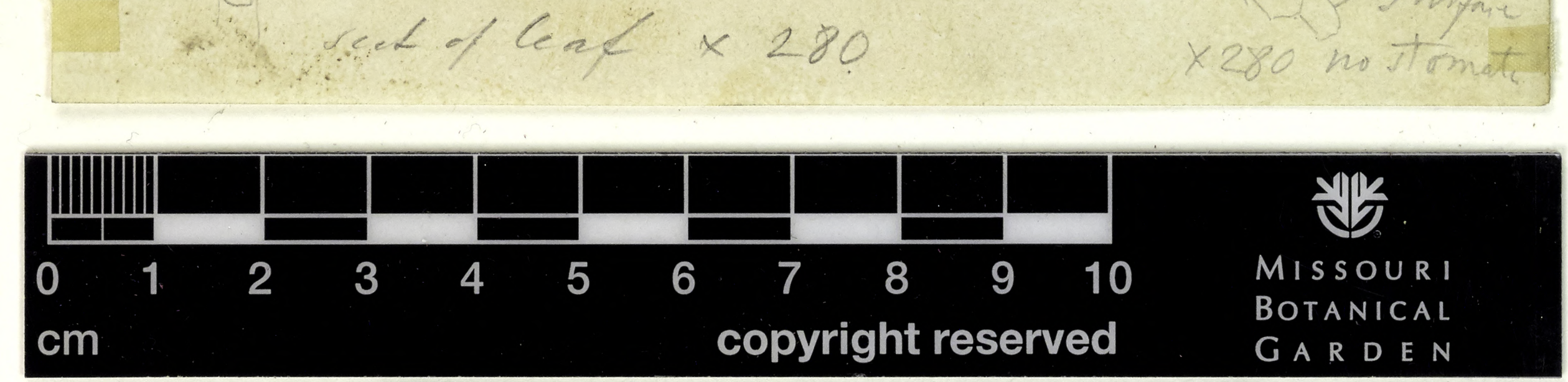
epidermis of upper surface

x 280

lower surface

epidermis of lower surface

x280 no stomata



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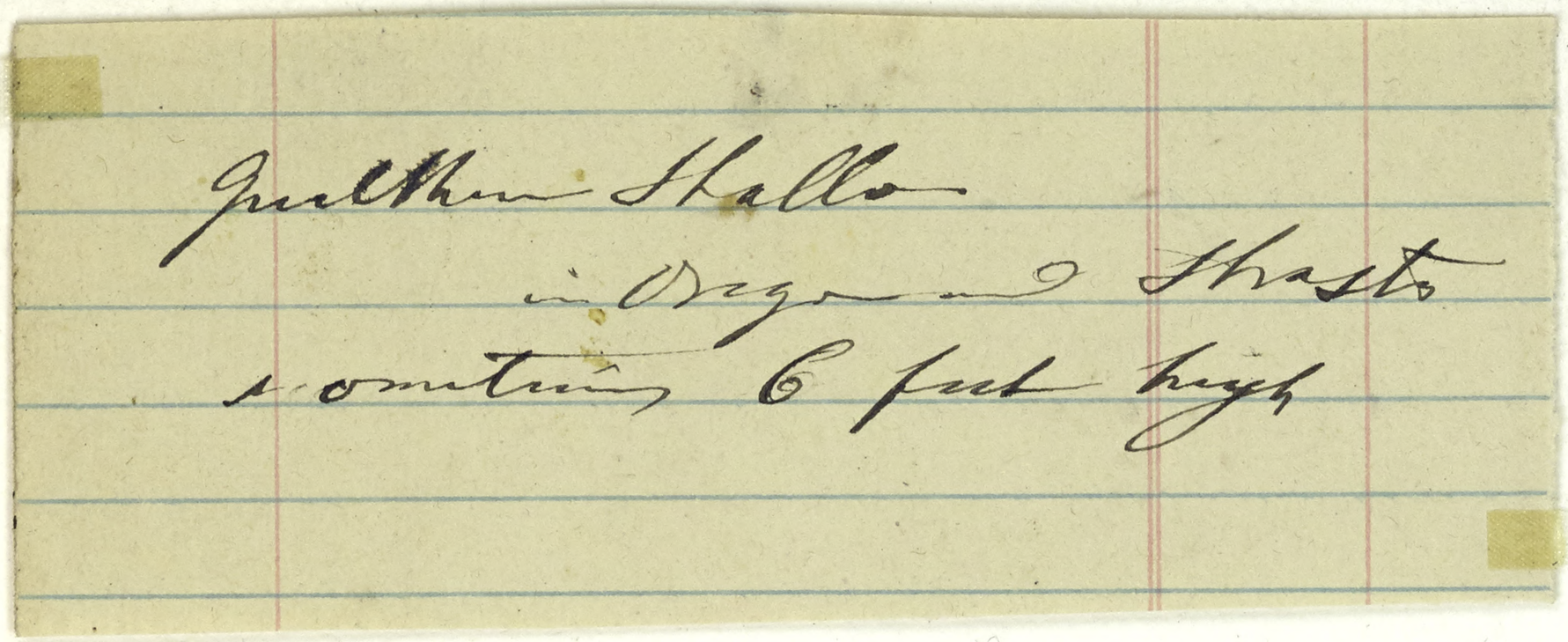
Just above Shasta
in Oregon Shasta
mountain 6 feet high

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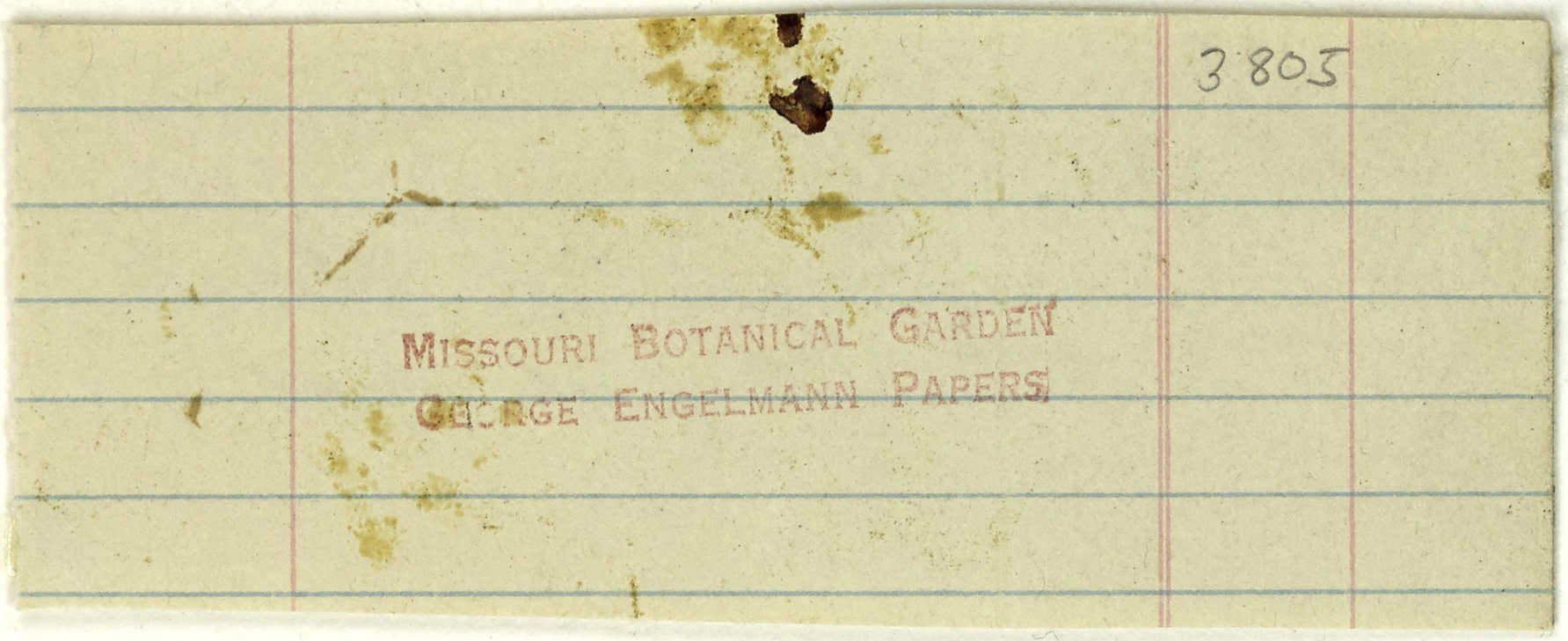

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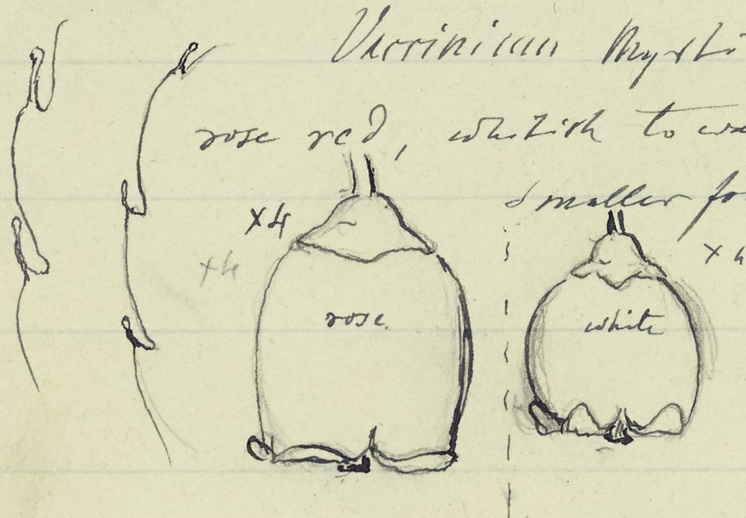
Vaccinium Myrtillus

rose red, whitish towards tip, 2/12 lines long or 2 3/4

smaller form flowers perfectly white, not 2 lines long, more globose

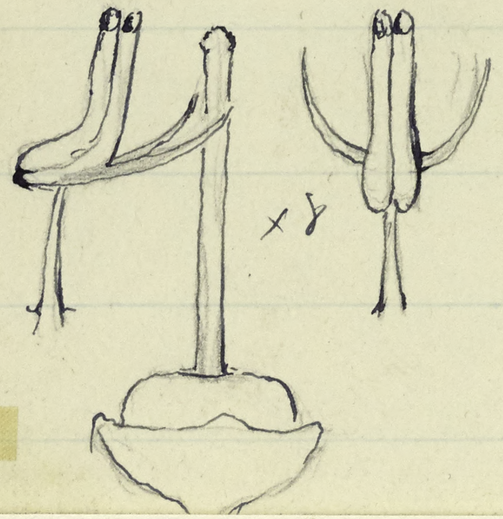


larger form, leaves 5–7 lines long, flowers oval, mostly obtuse

leaves 4–5 lines long, ovate-lanceolate, acute

In both the leaves are appressed serate, the teeth at least in the young plant tipped with a glandular tipped hair.

Berthoud Pass, Siliceous rocks above timber line July 23 1881



stamen apparently abortive

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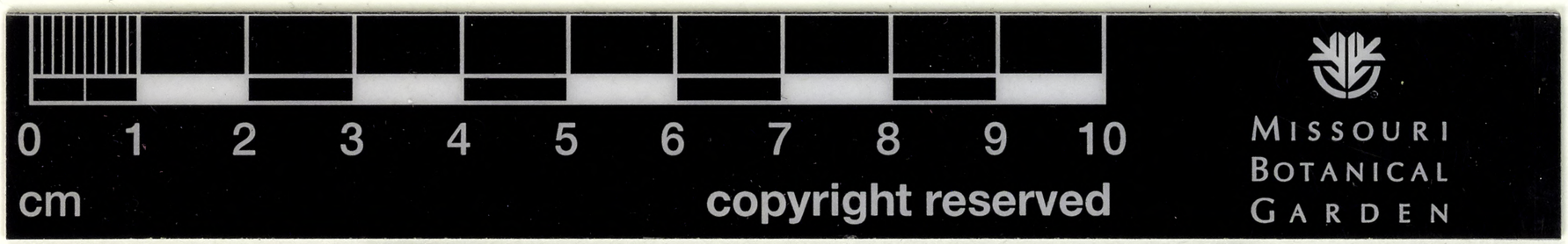


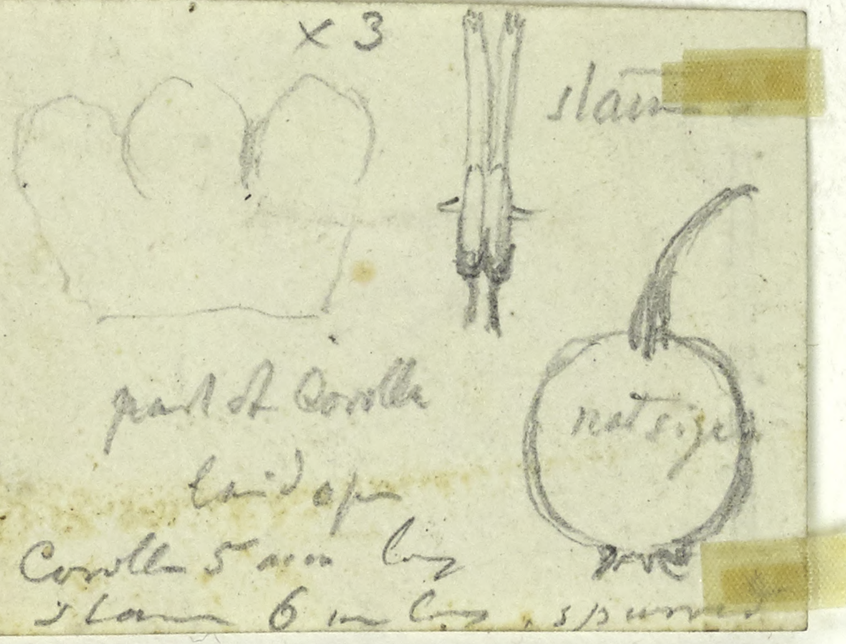
Vaccinium

3 feet high

Shepards Mountain

Mo

Letterman July 1875



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10 days, to be returned to
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